

# PAANZ Workshop Technology to reduce N leaching

## FOR ALL DAIRY AND ARABLE FARMERS

If you're under pressure to mitigate N leaching, and improve efficiency and profitability on farm, then this workshop is for you.

**DATE:** Friday 2nd September 2016

**VENUE:** Ellwood Park,  
15 Otene Road, Hastings

**TIME:** 10am - 4pm

**COSTS:** Attendees \$100 per person

**Register here:** [paanzworkshopHB.lilregie.com](http://paanzworkshopHB.lilregie.com)

**Register by:** 30th August 2016



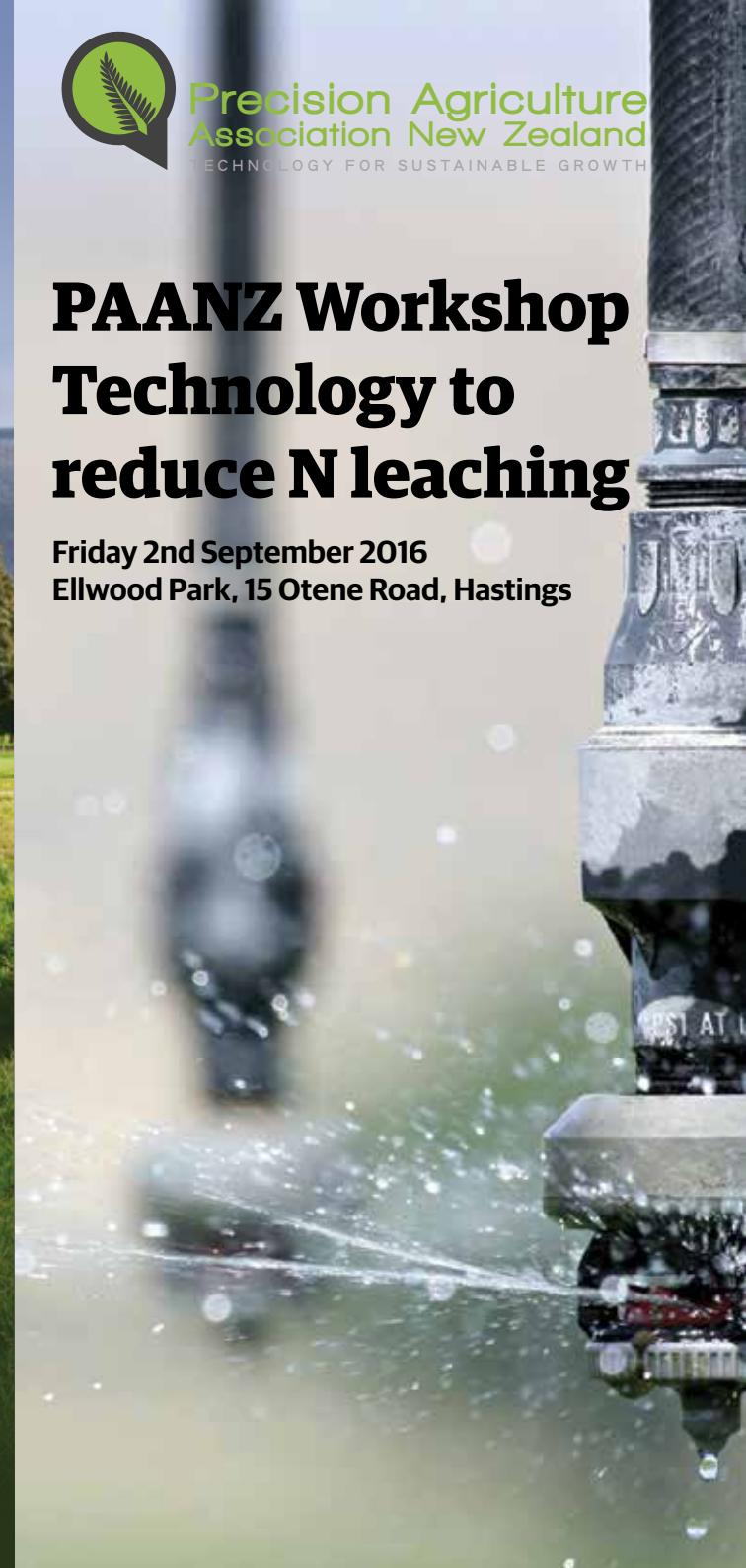
**Precision Agriculture  
Association New Zealand**  
TECHNOLOGY FOR SUSTAINABLE GROWTH



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Ellwood Park, 15 Otene Road, Hastings



# Programme

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**START TIME : 10am**

**Workshop Chair**

**Mike Manning PAANZ committee member**

**Welcome**

**Craige Mackenzie PAANZ Chair**

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**SESSION 1: 10.15am - 12pm**

• **Craige Mackenzie - Greenvale Pastures**

Where are we and what can we do with nitrate leaching limits?

• **Dr Brendon Malcolm - Plant & Food Research**

What soils and what farming activities are leaching hot spots and why?

• **Dr Carolyn Hedley, Landcare, with Prof Ian Yule**  
**The ability of EM and Variable rate irrigation to reduce N leaching**

Case study on risks, costs, benefits and providers as to what can be achieved in reducing nitrate leaching.

• **Dr Tony Davoren - Hydroservices**  
**The ability of soil moisture sensors, irrigation scheduling and water metering to reduce N leaching**

Case study on costs benefits risks and providers.

• **Dr Ants Roberts - Ravensdown Limited**  
**Nitrogen Fertilisers**

Applying the right amount at the right time and what happens to N leaching when we get it wrong.

• **Prof. Mike Hedley - Massey University**  
**Identifying seasonal dairy farm nitrogen (N) surpluses and reducing the risk of N loss to water**

What dairy farm systems can one adopt to materially reduce the nitrate leaching whilst maintaining or improving profitability?

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**LUNCH: 12pm - 1.30pm**

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**SESSION 2: 1.30pm - 3pm**

• **Prof Ian Yule - Massey University**  
**Emerging PA Technologies in 1 to 3 years to reduce Nitrogen Leaching**

Emerging PA Technologies in 3 to 8 years to reduce Nitrogen Leaching

• **Diana Mathers - FAR**  
**and Matthew Norris - Plant & Food Research**  
**Flux meters in arable systems**

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**SESSION 3: 3pm - 4pm**

• **Q & A with presenters**

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**CLOSE and THANKS: Craige Mackenzie**

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